

Reanal Private Ltd.

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1. Identification of the substance and the company

Product name: **Chlorophacinone**
Synonyms: **2-[2-(4-chlorophenyl)-2-phenylacetyl]-indan-1,3-dione**
CAS-No: **3691-35-8**
EU-No: **223-003-0**
REANAL Product Number: **17020**Company identification: **Reanal Finechemical Co.**Address: HUNGARY, H-1147 Budapest, Telepes u. 53.
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3. Hazard statements

Hazard symbols and-signs:

T+



T.bmp

Very toxic

N



N.bmp

Dangerous for the environment

Risk phrases:

23 Toxic by inhalation.

27/28 Very toxic in contact with skin and if swallowed.

48/24/25 Toxic: danger of serious damage to health by prolonged exposure in contact with skin and if swallowed.

50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

2. Composition / Information on ingredients

Molecular formula: **C₂₃H₁₅ClO₃**

CAS No.: 3691-35-8

Relative molecular weight: **374.82**

EU No.: 223-003-0

Composition:

Chlorophacinone

3691-35-8

min. 98%

4. First aid measures

Proposed treatment : first aid measures, antidotes, medical treatment.

General:

Remove victim from area of exposure. Wash off remaining material with plenty of water

KEEP PATIENT STRICTLY IN REST AS CONTINUED MOVEMENT ENHANCES THE EFFECT OF CHOLINESTERASE INHIBITION.

Inhalation:

Remove victim to fresh air. If breathing is difficult, provide oxygen or artificial respiration and get medical attention

Ingestion:

Let the patient drink 3-6 dlit water or water with activated carbon. Induce vomiting, repeat it at 2-3 times. Finally give salty water with activated carbon and laxative. Never give anything by mouth to an unconscious person
DO NOT GIVE MILK, FAT, OIL, ALCOHOLIC BEVERAGE

Skin contact:

Change contaminated clothing to clean one. Wash away remainder with water and soap. Get medical attention as soon as possible.

Eye contact:

Wash out with plenty of water with the eyelid held wide open for at least 15 minutes. Drop 8-10 drops of 1% Lidocain solution into the eye. Get medical attention if irritation persists.

Notes to the physician:

Antidote of chlorophacinone active substance is K1 vitamine (available as intra-venous injection or chewing tablets with phytomenadonium active ingredient)

If the acute toxic effect is survived, the chances of complete recovery are very good provided that subdural haemorrhages or vascular lesions in other tissues do not produce secondary effects.

5. Fire fighting measures

Not flammable. If necessary use water spray, carbon dioxide, dry chemical powder, or foam extinguisher. Use water spray to cool containers under fire conditions. Use extinguishing media appropriate to surrounding fire conditions.

6. Accidental release measures

Close and evacuate contaminated area. Do not allow contamination to get to drain. Only authorised person can order the decontamination. Wear self-contained breathing apparatus, rubber boots and heavy rubber gloves. Collect spilled material, sweep up, place in container and hold for waste disposal. Ventilate area and wash spill site until material pickup is complete.

7. Handling and storage

Keep the containers closed when not in use. Store in labelled container in a cool, dry place. Do not store near foodstuffs, drink, animal feeding stuffs and sources of heat or open flame. When transported fix containers firmly. Stow away on carriage from food and feedstuffs.

Storage temperature: **15-25 °C**

8. Exposure controls / Personal protection

Exposure controls:

Avoid contact with eyes, skin and clothing. Do not breathe vapour. When working do not eat or smoke. Take care of bathing facilities with warm water after work. Safety shower and eye bath are required. Mechanical exhaust is required. Wash thoroughly after handling.

Personal protective equipment:

Protective clothing.

Eye protect:

Chemical safety goggles, faceshield.

Hand protect:

Chemical-resistant rubber gloves.

Respiration protection:

Gas-mask or respirator.

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Specific control parameters

MAK (mg/m³): **N/A****9. Physical and chemical properties**

Form:	crystalline powder
Colour:	pale yellow
Melting point [°C]:	142-144
Solubility in water [°C]:	9 mg/l
Bulk density [kg/m ³]	750

10. Stability and reactivity

Incompatibilities:

Strong oxidising agents.

Decomposition products:

Carbon monoxide, carbon dioxide, chlorine compound gases.

11. Toxicological information**Acute toxicity:**

Harmful if swallowed, inhaled or absorbed through skin. Anticoagulant. Lowering of prothrombine level and internal bleeding can occur, clotting mechanism becomes abnormal. Material is extremely destructive to tissue of the mucous membranes and upper respiratory tract, eyes and skin. Inhalation may result in spasm, inflammation and edema of the larynx and bronchi, chemical pneumonitis and pulmonary edema. Symptoms of exposure may include burning sensation, coughing, wheezing, laryngitis, shortness of breath, headache, nausea and vomiting.

Toxicity data:

ORL - RAT LD50: 20.5 mg/kg

ORL-RAB LD50: 50.0 mg/kg

DERM-RAB LD50: 200.0 mg/kg

IHL - RAT LD50: 9.3 mg/lit./1 h

Irritation to rabbit skin: slightly irritating

Irritation to rabbit eye: minimal irritating

Sensitization to Guinea-pig: not sensitizing

12. Ecological informationWGK (German Water Hazard Classification): **0****Futher ecological data:**

Toxicity to fish. LC50 (rainbow trout): > 10 mg/l

NOEC (96h): 1.00 mg/l

13. Disposal information

Dispose of this material and its container at hazardous or special waste collection point. Unused material, used packing should be incinerated in a special furnace designed for this purpose. National and local regulations must be observed.

Chemicals must be disposed of in compliance with the respective national regulations.

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14. Transport information

ADR/RID:	6.1. I.	
IMDG:	6.1/II.	Ems: 6.1-04 MFAG: 500
IATA:	6.1/II.	CAO: 615 PAX: 613
UN:	2761	

15. Regulatory information

Hazard signs:

T+ Very toxic
N Dangerous for the environment

Risk phrases:

23 Toxic by inhalation.
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48/24/25 Toxic: danger of serious damage to health by prolonged exposure in contact with skin and if swallowed.
50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety phrases:

1/2 Keep locked up and out of reach of children.
13 Keep away from food, drink and animal feeding stuffs.
36/37 Wear suitable protective clothing and gloves.
45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
60 This material and/or its container must be disposed of as hazardous waste.
61 Avoid release to the environment. Refer to special instructions/ safety data sheets.

Labelling according to EC Directives.

16. Other information

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. Reanal shall not be held liable for any damage resulting from handling or from contact.